

REMARKS

Please enter the above amendments prior to consideration of the merits of the present application.

A copy of the amended portion of the specification with changes marked therein is attached and entitled "Version with markings to show changes made."

Respectfully submitted,

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Version with Markings to
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HANDY SCANNER

FIELD OF THE INVENTION

The present invention relates to a handy scanner which includes a relay box for connecting a handy scanner body and a device with each other and carrying out processing such as data conversion.

BACKGROUND OF THE INVENTION

A prior art handy scanner will be described with reference to a figure.

Figure 3 is a diagram illustrating a structure of the prior art handy scanner.

In figure 3, numeral 1 denotes a USB adapter as a relay box, which converts an image signal read by the handy scanner to be compliant with USB interface of a device such as personal computer. Numeral 2 denotes a handy scanner body having transparent glass (not shown) as a read section on its bottom surface. Numeral 3 denotes a USB jack which is connected to a USB terminal included in the device such as personal computer. Numeral 5 denotes a noise filter for reducing interfering electromagnetic waves, which is made of ferrite. Numeral 6 denotes a first cord which connects the handy scanner body 2 and the USB adapter 1 with each other. Numeral 7 denotes a second cord which connects the USB adapter 1 and the USB jack 3 with each other.

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The handy scanner manually scans images on an original with using the handy scanner body 2, and outputs the images to the output screen of the personal computer or the like. This handy scanner

body 2 reads image light of the original through the transparent glass located on the bottom surface, and signalizes the same. An image signal which is obtained by signalizing the image light goes through the first cord 6 and the USB adapter 1, and is input to the personal computer via the second cord 7 and the USB jack 3. At this time, influences of electromagnetic waves upon the image signal are prevented by the interfering electromagnetic wave reduction noise filter 5 which is attached to the first cord 6.

When the handy scanner and the personal computer can be connected with each other via the USB interface, the USB adapter 1 converts the image signal of the image light which has been read by the handy scanner body 2 so as to be compliant with the USB interface. This USB adapter is connected to the USB terminal of the personal computer via the USB jack 3, and carries out processing such as a process for displaying images which have been read by the handy scanner body 2 on the display screen, on the basis of the converted signal.

However, in the above-mentioned prior art handy scanner, the handy scanner body 2 and the USB adapter 1 are connected via the first cord 6 and the second cord 7, and separately exist. Thus, the prior art handy scanner is inconvenient for storage, and further it occupies much space.

In addition, while the handy scanner body 2 reads the image light of the original through the transparent glass located on the bottom surface, since the transparent glass is disposed in an